




Premium Clear Waterborne Sealer WBS-0100

DESCRIPTION

This product is an acrylic modified single component water-based coating that is designed to be used as a universal sealer for use with our Premium waterborne topcoats. It contains low levels of solvent, allowing for reduced VOCs. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
WBS-0100	Viscosity: 10-15 #3 ZAHN Weight Solids: 38.1% Volume Solids: 35.7% Weight/Gallon: 8.51 lbs./gal Coverage: 572.4 sq. ft. per gallon at one mil dry film thickness.	Reduction/Thinning*: Reduction is not necessary but may be required for certain types of application and equipment. Use water for reduction. Very little water is needed to reduce viscosity, typically no more than 5% by volume.
<h4>PRODUCT ADVANTAGES</h4> <ul style="list-style-type: none"> ➤ Durable, Fast Drying ➤ Excellent Sanding Properties ➤ Minimal Grain Raise ➤ Moisture, Household Chemical and Mar Resistant ➤ Meets KCMA Performance Requirements When Applied Per Manufacturer Recommendations 	VOC (reg./coating): 1.91 lbs./gl. or 228.9 g/l VOC (act/material): 0.91 lbs./gl. or 109.2 g/l VOC Ratio: 0.28 lbs. VOC/lbs. Solids HAPS Ratio: 0.09 lbs. HAPS/lbs. Solids Dry Times: Air Dry: at 78° F, relative humidity 50% To touch: 8-10 minutes To handle: 15-20 minutes To sand/recoat: 25-30 minutes Relative humidity will affect the speed of drying. Ideal conditions are 75° F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity. Dry Film Thickness: To optimize performance, the ideal DFT for this sealer should be between .7 -1.5 mils. Please refer to the PDS for the specific topcoat you are using for maximum allowable DFT for the complete system. Shelf Life: 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock. Storage: Protect product from freezing.	Retarder: If a slower dry time is desired, or to improve flow and leveling, use SOL-0090 at levels not to exceed 5% by volume (6.4 oz per gallon). Maximum VOC when adding retarder as specified is < 275 grams per liter. *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning. Approved Companion Products WB-02X0 Series WUM-00X0 Series WUC-00X0 Series MOD-00XX Series <i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i>

July, 2021

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PRODUCT DATA SHEET WBS-0100 CONTINUED



Substrate preparation:

New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.

Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.



Mixing Instructions:

Mix thoroughly before use. **DO NOT SHAKE!** Material may be mixed by hand or mechanical agitation at moderate speed.



Application:

A test panel for adhesion checks must be prepared if not using a Gemini manufactured stain. **If using this system over oil based stains, WBS-0100 must be used as a seal coat before application of the topcoat.**

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 25-30 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air. This product must be sanded in between coats to ensure proper adhesion.

Typically we recommend a coating system comprised of 1 to 2 coats of WBS-0100 applied at 3-4 mils wet film build and 1 coat of an approved companion topcoat applied at 3-4 mils wet film build. Please refer to the Approved Companion Products section of this document for a list of approved topcoats. Please refer to the PDS for the topcoat you choose for dry film limitations for the complete system.

This product must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Application and drying conditions must be at temperatures of 64°F or above and at a humidity of less than 65%. Increased air flow and/or drying temperatures, including the use of infrared lighting for cure will significantly decrease dry times.



Recommended Tip Sizes:

Conventional Air	1.4-1.8mm
HVLP	1.5-2.0mm
Airless	10-15 thousandths
Air Assisted Airless-	11-15 thousandths



Precautions:

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

Equipment:

All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

Containers:

We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.

Clean up:

Use water to clean all equipment when material is in a liquid stage. Use 2:1 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried coating. Use Acetone to remove dried coating. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Care and cleaning of this finish: Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.